Search Go

Advanced Search

[NYAS Home](#)[Events](#)[Programs](#)[eBriefings](#)[Science & the City](#)[Annals](#)[Publications](#)[Members](#)

ANNALS of the New York Academy of Sciences

NYAS

[Main](#)[Browse Volumes](#)[Forthcoming Volumes](#)[Annals Extra](#)[Email Alerts](#)[Subscriptions & Orders](#)[New Proposals](#)[Chapter Guidelines](#)[About Annals](#)[Help](#)**Biophysics from Molecules to Brain: In Memory of Radoslav K. Andjus**

Volume 1048 published June 2005

Ann. N.Y. Acad. Sci. **1048**: 392–395 (2005). doi: 10.1196/annals.1342.047

Copyright © 2005 by the New York Academy of Sciences

[description](#) | [purchase this volume](#)

Combination of Nucleoside Analogues Tiazofurin and Ribavirin Downregulates Experimental Autoimmune Encephalomyelitis

IRENA LAVRNJA^a, DANIJELA STOJKOV^a, SANJA PEKOVIĆ^a,
SANJA ŠUBAŠIĆ^b, MARIJA MOSTARICA-STOJKOVIĆ^c,
STANISLAVA STOŠIĆ-GRUJIĆ^a, NADEŽDA NEDELJKOVIĆ^b,
LJUBICA MEDIĆ-MIJAČEVIĆ^d, LJUBISAV RAKIĆ^a AND
MIRJANA STOJILJKOVIĆ^a

^aDepartment of Neurobiology and Immunology, Institute for Biological
Research "Siniša Stanković," Belgrade, Serbia and Montenegro

^bFaculty of Biology, University of Belgrade, Belgrade, Serbia and
Montenegro

^cInstitute of Microbiology and Immunology, School of Medicine, University of
Belgrade, Belgrade, Serbia and Montenegro

^dICN Galenika Pharmaceutical Works, Belgrade, Serbia and Montenegro

Address for correspondence: Irena Lavrnja, Department of Neurobiology
and Immunology, Institute for Biological Research "Siniša Stanković," Bulevar Despota Stefana 142, Y1
Belgrade, Serbia & Montenegro. Voice: 381-11-2078340; fax: 381-11-761433. irenam@ibiss.bg.ac.yu

The effect of combined treatment with ribavirin and tiazofurin on the development of experimental
encephalomyelitis, the best characterized animal model for human autoimmune disease multiple
sclerosis, was investigated. The disease was induced in highly susceptible Dark Agouti rats with spinal cord
injection of complete Freund's adjuvant. Although ribavirin or tiazofurin alone reduced the clinical and histo-
logical signs of experimental autoimmune encephalomyelitis, the combination of drugs achieved the same
effect at significantly lower doses.

Key Words: EAE • ribavirin • tiazofurin • spinal cord

This Article

[Full Text](#)[Full Text \(PDF\)](#)[Table of Contents](#)

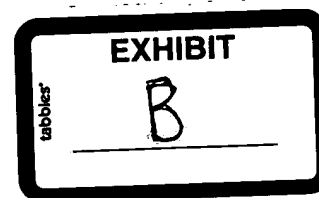
Services

[Similar articles in this](#)[Similar articles in Pub](#)[Alert me to new issue](#)[Download to citation](#)

Google Scholar

[Articles by LAVRNJA](#)[Articles by STOJILJK](#)[Articles citing this Arti](#)

PubMed

[PubMed Citation](#)[Articles by LAVRNJA](#)[Articles by STOJILJK](#)
[Home](#) | [Events](#) | [Programs](#) | [eBriefings](#) | [Science & the City](#) | [Annals](#) | [Publications](#) | [Support](#) | [About](#)

©2005 New York Academy of Sciences, all rights reserved.
Privacy Policy and Disclaimer.

7 World Trade Center, 250 Greenwich St, 40th Fl, New York, NY 10036
info@nyas.org